

## ABSTRACT

A wireless alarm network which detects smoke or toxic gas or fire or other abnormal environmental conditions within and in the vicinity of a structure wherein the detector at the source of the abnormal environmental condition emits an audible alarm and communicate the abnormal condition to the other members of the alarm network remote from the location of the abnormal condition by coded radio frequency signals. All alarm devices within the network comprise of radio frequency receivers and upon receiving a trouble message they issue their own audible alarm to alert people in remote areas from the trouble who otherwise would not hear the alarm sounded at the site of the trouble. Once people are notified of the trouble in all areas of the structure they have an option of using a handheld radio transmitter provided to disable alarms from locations remote from the location of the actual trouble to aid in the localization of the actual trouble spot.